

FW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Keefer et al.

Application No. 10/671,750

Filed: September 26, 2003

Confirmation No. 9355

For: ENHANCED SOLID OXIDE FUEL CELL
SYSTEMS

Examiner: Not yet assigned

Art Unit: 1745

Attorney Reference No. 6454-66999-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)

Wayne W. Rupert

Date Mailed July 21, 2004

MAIL STOP AMENDMENT
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

TRANSMITTAL LETTER

Enclosed for filing in the application referenced above are the following:

- ☒ Information Disclosure Statement
 - ☒ Copy of Partial International Search Report from PCT App. No. PCT/CA03/01500
 - ☒ Form 1449 and copies of references cited thereon
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit over-payment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

Wayne W. Rupert

Wayne W. Rupert

Registration No. 34,420

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

cc: Docketing



07/21/04 6454-66999-01 229233

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Bowie G. Keefer et al.

Application No.: 10/671,750

Filed: September 26, 2003

Confirmation No.: 9355

For: ENHANCED SOLID OXIDE FUEL CELL
SYSTEMS

Examiner: To be assigned

Art Unit: 1745

Attorney Reference No. 6454-66999-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney
for Applicant(s)

Date Mailed July 21, 2004

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)(3)

MAIL STOP AMENDMENT
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Also enclosed are copies of European Patent No. 0 751 045 (in German), European Patent No. 1 095 689 (in French), Japanese Patent No. 5166528 (in Japanese), Japanese Patent No. 62278770 (in Japanese), and International Patent Publication No. WO 94/04249 (in French). English abstracts of each of these publications are provided. A full translation of Japanese Patent No. 62278770 is also provided. The English-language equivalent of European Patent No. 1 095 689 (U.S. Patent No. 6,517,609, issued February 2003, Monereau et al.) is also cited. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Also enclosed is a copy of a Partial International Search Report for related PCT Application No. PCT/CA03/01500.

Applicants also note the following pending U.S. Patent Applications:

U.S. Patent Application No. 09/808,715 filed March 14, 2001, Keefer et al. (which corresponds to Publication No. US-2002-0004157, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/039,552 filed Oct. 16, 2001, Keefer et al. (which corresponds to Publication No. US-2002-0098394, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/039,940 filed Oct. 16, 2001, Keefer et al. (which corresponds to Publication No. US-2002-0142208, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/039,491 filed Oct. 16, 2001, Keefer et al. (which corresponds to Publication No. US-2002-0104518, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/013,896 filed Dec. 7, 2001, Connor et al. (which corresponds to Publication No. US-2002-0127442, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/043,727 filed Jan. 9, 2002, Keefer et al. (which corresponds to Publication No. US-2002-0112479, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/286,400 filed Nov. 1, 2002, Keefer et al. (which corresponds to Publication No. US-2003-0157390, cited on the attached form PTO-1449);

U.S. Patent Application No. 10/352,361 filed Jan. 27, 2003, Keefer et al. (which corresponds to Publication No. US-2003-0143448, cited on the attached form PTO-1449); and

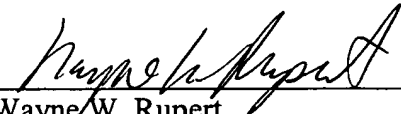
U.S. Patent Application No. 10/389,541 filed March 14, 2003, Keefer et al. (which corresponds to Publication No. US-2004-0005492, cited on the attached form PTO-1449);

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of the transmittal sheet for this IDS is enclosed.

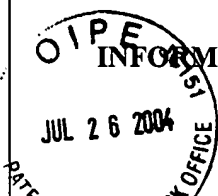
The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By 
Wayne W. Rupert
Registration No. 34,420

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 226-7391
Facsimile: (503) 228-9446

	Attorney Docket Number	6454-66999-01
	Application Number	10/671,750
	Filing Date	September 26, 2003
	First Named Inventor	Keefer
	Art Unit	1745
Examiner Name		Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		2001/047824	December 2001	Hill et al.
		2002/0004157	January 2002	Keefer et al.
		2002/0098394	July 2002	Keefer et al.
		2002/0104518	August 2002	Keefer et al.
		2002-0110503	August 2002	Gittleman et al.
		2002/0110504	August 2002	Gittleman et al.
		2002-0112479	August 2002	Keefer et al.
		2002/0127442	September 2002	Connor et al.
		2002/0142198	October 2002	Towler et al.
		2002-0142208	October 2002	Keefer et al.
		2002/0143448	July 2003	Keefer
		2003-0157390	August 2003	Keefer et al.
		2004-0005492	January 2004	Keefer et al.
		3,094,569	June 1963	Thomas
		3,204,388	September 1965	Asker
		3,430,418	March 1969	Wagner
		3,513,631	May 1970	Siebert et al.
		3,564,816	December 1968	Batta

EXAMINER
SIGNATURE:DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	6454-66999-01
	Application Number	10/671,750
	Filing Date	September 26, 2003
	First Named Inventor	Keefer
	Art Unit	1745
	Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		3,594,984	July 1971	Toyama et al.
		4,019,879	April 1977	Rabo et al.
		4,144,037	March 1979	Armond et al.
		4,153,434	May 1979	Settlemyer
		4,200,682	April 1980	Sederquist
		4,272,265	June 1981	Snyder
		4,322,394	March 1982	Mezey et al.
		4,354,859	October 1982	Keller et al.
		4,406,675	September 1983	Dangieri et al.
		4,452,612	June 1984	Mattia
		4,530,705	July 1985	Firey
		4,553,981	November 1995	Fuderer
		4,578,214	March 1986	Jungerhans
		4,587,114	May 1986	Hirai et al.
		4,696,682	September 1987	Hirai et al.
		4,702,903	October 1987	Keefer
		4,726,816	February 1988	Fuderer
		4,743,276	May 1988	Nishida et al.

EXAMINER
SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	6454-66999-01
	Application Number	10/671,750
	Filing Date	September 26, 2003
	First Named Inventor	Keefer
	Art Unit	1745
	Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		4,758,253	July 1988	Davidson et al.
		4,783,433	November 1988	Tajima et al.
		4,790,858	December 1988	Sircar
		4,914,076	April 1990	Tsuji et al.
		4,917,711	April 1990	Xie et al.
		4,963,339	October 1990	Krishnamurthy et al.
		4,968,329	November 1990	Keefer
		5,079,103	January 1992	Schramm
		5,082,473	January 1992	Keefer
		5,096,469	March 1992	Keefer
		5,096,470	March 1992	Krishnamurthy
		5,126,310	June 1992	Golden et al.
		5,133,784	July 1992	Boudet et al.
		5,147,735	September 1992	Ippommatsu et al.
		5,217,916	December 1993	Vanderborgh et al.
		5,227,598	July 1993	Woodmansee et al.
		5,246,676	September 1993	Hay
		5,248,325	September 1993	Kagimoto et al.

EXAMINER
SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	6454-66999-01
	Application Number	10/671,750
	Filing Date	September 26, 2003
	First Named Inventor	Keefer
	Art Unit	1745
	Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,256,172	October 1993	Keefer
		5,256,174	October 1993	Kai et al.
		5,258,571	November 1993	Golden et al.
		5,271,916	December 1993	Vandenborgh et al.
		5,282,886	February 1994	Kabayashi et al.
		5,360,679	November 1994	Buswell et al.
		5,393,326	February 1995	Engler et al.
		5,415,748	May 1995	Emiliani et al.
		5,429,665	July 1995	Botich
		5,431,716	July 1995	Ebbeson
		5,441,559	August 1995	Petit et al.
		5,487,775	January 1996	LaCava et al.
		5,509,956	April 1996	Opperman et al.
		5,529,763	June 1996	Peng et al.
		5,529,970	June 1996	Peng
		5,531,809	July 1996	Golden et al.
		5,593,478	July 1997	Hill et al.
		5,632,807	May 1997	Tomita et al.

EXAMINER
SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Attorney Docket Number	6454-66999-01
				Application Number	10/671,750
				Filing Date	September 26, 2003
				First Named Inventor	Keefer
				Art Unit	1745
				Examiner Name	Not yet assigned
U.S. PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee	
		5,646,305	July 1997	Wagner et al.	
		5,656,067	August 1997	Watson et al.	
		5,658,370	August 1997	Vigor et al.	
		5,766,311	June 1998	Ackley et al.	
		5,827,358	October 1998	Kulish et al.	
		5,876,486	March 1999	Steinwandel et al.	
		5,891,217	April 1999	Lemcoff et al.	
		5,925,322	July 1999	Werth	
		5,955,039	September 1999	Dowdy	
		5,958,109	September 1999	Fuderer	
		5,968,680	October 1999	Wolfe et al.	
		5,981,096	November 1999	Hornberg et al.	
		5,998,056	December 1999	Divisek et al.	
		6,022,399	February 2000	Ertl et al.	
		6,051,050	April 2000	Keefer et al.	
		6,060,032	May 2000	Hable et al.	
		6,063,161	May 2000	Keefer et al.	
		6,077,620	June 2000	Pettit	
EXAMINER SIGNATURE:			DATE CONSIDERED:		
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Attorney Docket Number	6454-66999-01
				Application Number	10/671,750
				Filing Date	September 26, 2003
				First Named Inventor	Keefer
				Art Unit	1745
				Examiner Name	Not yet assigned
FOREIGN PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant, Patentee or Inventor
		Europe	EP 0 345 908	December 1989	KTI Group B.V.
		Europe	EP 0 737 648 A	October 1996	Air Products & Chemicals, Inc.
		Europe	EP 0 750 361 A	December 1996	Exxon Research and Engineering Company
		Europe (abstract)	EP 0 751 045	January 1997	Daimler Benz AG (DE)
		Europe	EP 0 853 967	July 1998	The BOC Group, Inc.
		Europe (abstract)	EP 1 095 689 A1	October 1999	Air Liquide
		Europe	EP 1 172 772	January 2001	Azkoyen Medios de Pago, S.A.
		Britain	GB 2 042 365	September 1980	BOC Limited
		Japan (Abstract)	JP 10325360 A	December 1998	Yoshio Kurosawa
		Japan (Abstract)	JP 5166528 A	October 1993	Mitsubishi Electric Corp.
		Japan (Abstract)	JP 59075574 A	April 1984	Nippon Kihatsuyu KK
		Japan (Abstract)	JP 62274561	November 1978	Mitsubishi Heavy Ind. Ltd.
		Japan	JP 62278770	December 1987	Nippon Kokan Co.
		Japan (Abstract)	JP 63034862	February 1998	Mitsubishi Electric Corp.
		Japan (Abstract)	JP 63166157	July 1988	Tokyo Tungsten KK
		WIPO/PCT (abstract)	WO 94/04249	August 1992	Jacques Ribesse
		WIPO/PCT	WO 98/29182	September 1998	Bowie Keefer
		WIPO/PCT	WO 99/28013	June 1999	Questor Industries, Inc.
EXAMINER SIGNATURE:				DATE CONSIDERED:	
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Attorney Docket Number	6454-66999-01
	Application Number	10/671,750
	Filing Date	September 26, 2003
	First Named Inventor	Keefer
	Art Unit	1745
	Examiner Name	Not yet assigned

U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,090,312	July 2000	Ziaka et al.
		6,143,057	November 2000	Bülow et al.
		6,162,558	December 2000	Borup et al.
		6,200,365	January 2001	Eimer et al.
		6,210,822	March 2001	Abersfelder et al.
		6,231,644	May 2001	Jain et al.
		6,255,010	July 2001	George et al.
		6,293,998	September 2001	Dolan et al.
		6,296,823	October 2001	Ertl et al.
		6,398,853	April 2002	Keefer et al.
		6,406,523	June 2002	Conner et al.
		6,428,915	August 2002	Ban et al.
		6,517,609	February 2003	Monereau et al.
		6,607,854	August 2003	Rehg et al.
		6,692,545	February 2004	Gittleman et al.

FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant, Patentee or Inventor
		Canada	2 325 072	April 2002	QuestAir Technologies, Inc.

EXAMINER
SIGNATURE:

DATE
CONSIDERED:

* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Attorney Docket Number	6454-66999-01
				Application Number	10/671,750
				Filing Date	September 26, 2003
				First Named Inventor	Keefer
				Art Unit	1745
				Examiner Name	Not yet assigned
FOREIGN PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant, Patentee or Inventor
		WIPO/PCT	WO 00/16425	March 2000	Questor Industries, Inc.
		WIPO/PCT	WO 00/16880	March 2000	ALLIEDSIGNAL Inc.
		WIPO/PCT	WO 00/76630	December 2000	QuestAir Technologies, Inc.
		WIPO/PCT	WO 02/24309	March 2002	QuestAir Technologies, Inc.
		WIPO/PCT	WO 02/35623	May 2002	QuestAir Technologies, Inc.
		WIPO/PCT	WO 02/37590	May 2002	QuestAir Technologies, Inc.
		WIPO/PCT	WO 02/47797	June 2002	QuestAir Technologies, Inc.
		WIPO/PCT	WO 02/56400	July 2002	QuestAir Technologies, Inc.
		WIPO/PCT	WO 2004/030130	April 2004	QuestAir Technologies, Inc.

EXAMINER SIGNATURE:	DATE CONSIDERED:
<p>* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	